

Amendments to the claims

1. (Original) A method for conjugating a maytansinoid to an antibody comprising the steps of:

- a. reacting a disulfide-containing linker with the antibody at about pH 5.0 to about pH 8.0 to form a modified antibody;
- b. removing unreacted linker from the modified antibody by tangential flow filtration;
- c. conjugating the modified antibody with the maytansinoid at about pH 6.0 to about pH 6.5 in a solvent comprising dimethylacetamide; and
- d. purifying the modified antibody-maytansinoid conjugate by ion exchange chromatography.

2. (Original) A method for conjugating a maytansinoid to an antibody comprising the steps of:

- a. reacting a disulfide-containing linker with the antibody at about pH 5.0 to about pH 8.0 to form a modified antibody;
- b. removing unreacted linker from the modified antibody by tangential flow filtration;
- c. conjugating the modified antibody with the maytansinoid at about pH 6.0 to about pH 6.5 in a solvent comprising acetonitrile; and
- d. purifying the modified antibody-maytansinoid conjugate by ion exchange chromatography.

3. (Previously Presented) The method of claim 1 where the maytansinoid is DM1.

4. (Previously Presented) The method of claim 1 where the linker is SPP.

5. (Previously Presented) The method of claim 1 where the maytansinoid is DM1 and the linker is SPP.

6. (Cancelled).

7. (Previously Presented) The method of claim 1 wherein the ion exchange chromatography is performed on a ceramic hydroxyapatite column.

8. (Cancelled).

9. (Cancelled).

10. (Previously Presented) The method of claim 2 where the maytansinoid is DM1.

11. (Previously Presented) The method of claim 2 where the linker is SPP.

12. (Previously Presented) The method of claim 2 where the maytansinoid is DM1 and the linker is SPP.

13. (Cancelled).

14. (Previously Presented) The method of claim 2 wherein the ion exchange chromatography is performed on a ceramic hydroxyapatite column.

15. (Cancelled).

16. (Cancelled).